



Empowering you to work smarter

MANIFOLD GAUGE

N2A4A

User Manual



NAVAC Inc.
www.NavacGlobal.com
Tel/Fax: +1 877 MY-NAVAC
877 696 2822
MADE IN PRC



Failure to follow warnings could
result in death or serious injury.

**SAVE THIS MANUAL
FOR FUTURE REFERENCE**

CONTENT

Safety guide	01
Parts and specifications	02
Technical parameter	03
Operation instruction	03
Maintenance	04

Dear User,

Thank you for choosing NAVAC Product. For best result and right way to use it, please read this operating manual carefully before using. We suggest that you'd better keep this manual with the product or a place where you can easily find for later reference.

Safety Guide

WARNING

- 1.1 The manifold has been designed specially to measure pressure in refrigeration equipment. The manifold may only be used by trained technicians.
- 1.2 It must not be used for other than refrigeration applications. The manifold is not suitable for liquids or gases other than those indicated on the gauge.
- 1.3 It must not be used with pressures higher than the pressure scale indicated on the high-pressure gauge of the manifold.
- 1.4 Safe goggles and gloves must be worn at all time during the use of the manifold.
- 1.5 The gauges are correctly calibrated at the factory before shipment. If calibration is required, remove the plastic plug on a sight glass and insert a small flat screwdriver into the opening to adjusting screw for calibration.
- 1.6 Clean up the connection interfaces in order to prevent contamination entering to refrigeration system.
- 1.7 The charging hoses must be checked with oil residue cleaned off before each use. A visible check is also necessary to ensure that the hoses and the connection are undamaged and tight.
- 1.8 Do not contact refrigerant directly as it may cause personal injury.
- 1.9 Do not vent refrigerant into the atmosphere.
- 1.10 The seals and gaskets of the manifold gauges are parts subject to the wear and tear of use, and must therefore be replaced from time to time. The manifold is to be tested regularly to ensure the valves are still tight.
- 1.11 Make sure to use the right pressure gauge.
- 1.12 Manifolds are high precision measuring instruments. After use, disconnect all hoses from the system and open valves and then store the manifold always in the carrying case.
- 1.13 Dispose of the used manifold gauges according to the local rules and regulations.

Parts and Specifications



NO.	Name	NO.	Name
1	Hook	6	High pressure valve
2	High pressure gauge	7	Low pressure valve
3	Cap	8	Hose connector
4	Zero adjusting screw	9	Low pressure gauge
5	Sight glass	10	Sheath

Technical parameter

Model	N2A4A
Refrigerant Type	R-134a R-22 R-410A R-32
Gauge Diameter	Φ3-1/8"
Pressure Range	-30 inHg to 800 psi -30 inHg to 500 psi
Hose	No

Operation Instrucion

1. Pressure testing

- 1.1 Close both valves.
- 1.2 Connect blue hose to the low side of system, connect red hose to the high side of system.
- 1.3 Run the system, read the testing pressure indicated on manifold gauges.
- 1.4 After testing, turn off the system. Then disconnect the hoses from the system and open all valves, make sure not vent refrigerant into the atmosphere.
- 1.5 In order to prevent venting the refrigerant into the atmosphere, you can use a NAVAC recovery machine to recover any refrigerant remained in the hoses or manifold gauges.

2. Evacuation of a system

- 2.1 Connect blue hose to the low side of system, connect red hose to the high side of system and connect yellow hose to vacuum pump.
- 2.2 Open both valves.
- 2.3 Turn on the vacuum pump.
- 2.4 Check pressure on low pressure gauge for 3 to 5 minutes, if the desired vacuum is reached, close the valves and turn off the vacuum pump.
- 2.5 Observe the pressure on the low-pressure gauge, if the pointer sticks to -30 inHg for 3 to 5 minutes, the system evacuation is completed. If not, repeat the steps from 2.2 to 2.4.

